

What is claimed is:

1. An electric junction box comprising;

an insulating board; and

a plurality of electrically conductive metal wire rods having square or nearly square shape in cross section, which are arranged on the insulating board,

wherein an end of the metal wire rod extends curvedly or straight forming a terminal part and at least a portion of the terminal part protrudes toward a housing of a body of the electric junction box.

2. The electric junction box according to claim 1, wherein the metal wire rod is cut to a suitable length, bent into a suitable shape, and arranged on the insulating board.

3. The electric junction box according to claim 1, wherein one terminal part of the metal wire rod protrudes toward the housing, while an opposite terminal part of the metal wire rod is connected to a component or a terminal or, alternatively, protrudes toward another housing.

4. The electric junction box according to claim 1, wherein a terminal is directly connected to a middle portion in the longitudinal direction of the metal wire rod.

5. The electric junction box according to claim 1, wherein the end of the metal wire rod is folded and compressed into a plate-shape, thereby forming the terminal part.

6. The electric junction box according to claim 1, wherein the metal wire rod is subjected to tinning.

7. The electric junction box according to claim 1, wherein the metal wire rod has 0.025 inches on a side.

8. A process for producing an electric junction box comprising the steps of:

extending curvedly or straight an end of a plurality of electrically conductive metal wire rods having square or nearly square shape in cross section, thereby forming a terminal part;

arranging a plurality of the metal wire rods on an insulating board;  
and

protruding at least a portion of the terminal part toward a housing of a body of the electric junction box.

9. The process for producing an electric junction box according to claim 8, wherein the metal wire rod is cut to a suitable length, bent into a suitable shape, and arranged on the insulating board.

10. The process for producing an electric junction box according to claim 8, wherein one terminal part of the metal wire rod protrudes toward the housing, while an opposite terminal part of the metal wire rod is connected to a component or a terminal or, alternatively, protrudes toward another housing.

11. The process for producing an electric junction box according to claim 8, wherein a terminal is directly connected to a middle portion in the longitudinal direction of the metal wire rod.

12. The process for producing an electric junction box according to claim 8, wherein the end of the metal wire rod is folded and compressed into a plate-shape, thereby forming the terminal part.